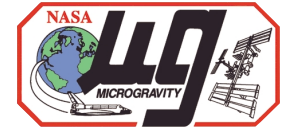


Glenn Research Center



# Automated Detection of Colloidal Solid/Liquid Interface

- Developed ability to automatically identify planar interface between colloidal solid and liquid.
- Technique based on differences between fundamental behavior of colloidal phases.
- Implemented using brightness slicing algorithms.
- Represents entirely new class of image processing capabilities.

63x/0.75NA, Phase contrast  
1.2 $\mu$ m diameter spheres

